CHALLENGER, NOMAD & MEDALIST PISTOLS FIELD SERVICE MANUAL

BROWNING®

CHALLENGER, NOMAD, MEDALIST
PISTOLS FIELD SERVICE MANUAL

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CHALLENGER, NOMAD & MEDALIST PISTOLS

This manual is written to assist trained gunsmiths in the repair and servicing of Browning products. It should never be used by an untrained person to repair any firearm. Read the entire manual carefully and pay special attention to the portions dealing with safety.

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BROWNING FIELD SERVICE MANUAL

IMPORTANT SAFETY WARNINGS

Before performing any instructions given throughout this manual, be certain to read the **NOTES** and **CAUTION** notes given in regard to those instructions. Generally, these precautionary notes follow the related instructions.

Failure to obey a Safety Warning **CAUTION** may result in injuries to you or to others.

Failure to obey a **NOTE** regarding the repair process may result in incorrect procedure which could cause malfunctions and/or damage to the firearm.

SAFETY WARNING

CAUTIONS:

1. Be certain the firearm is unloaded before proceeding with any service work.
2. Appropriate safety glasses should be worn by service personnel and bystanders when removing or reinstalling any springs or spring-loaded components.
3. As noted in the attached parts list on Page 3 some of the Browning supplied spare parts must be fitted by Browning Service Department in Arnold, Missouri or by qualified gunsmiths. No other persons should attempt to fit these specific parts.
4. If for any reason it becomes necessary to load and discharge this firearm, it is recommended that reference be made to the Owners Manual for proper loading, handling and safety procedures. These manuals are supplied with each new pistol and extra copies may be obtained by contacting Browning, Route # 1, Morgan, Utah, 84050.
5. Read all of the instructions, cautions and notes on any step involving assembly or disassembly before proceeding with that step.
6. Section VI provides list of special tools which may be required and special instructions.
7. **CAUTION:** Browning parts are made exclusively for Browning guns and are not recommended for use in other guns even though models may be similar. Inadequately fitted parts may be dangerous. All repairs should be done only by qualified gunsmiths.

SECTION I

DESCRIPTION AND FUNCTIONAL OPERATION

The Challenger is a blowback operated, .22 long rifle, semi-automatic pistol. The manual Safety is a Sear blocking type that cannot be placed in the "ON SAFE" position unless the Hammer is cocked and the Slide is fully forward.

When the Trigger is pulled to fire a chambered round, it rotates about the Trigger Pin and pulls the Disconnector forward. The Disconnector Spring keeps upward pressure on the Disconnector so that a notch in the Disconnector maintains engagement with a protrusion on the Sear.

Forward movement of the Disconnector causes the Sear, to rotate and disengage the Hammer notch. When the Sear disengages the Hammer, the compressed Mainsprings drive the Hammer forward to strike the Firing Pin, compress the Firing Pin Spring, and ignite the chambered round.

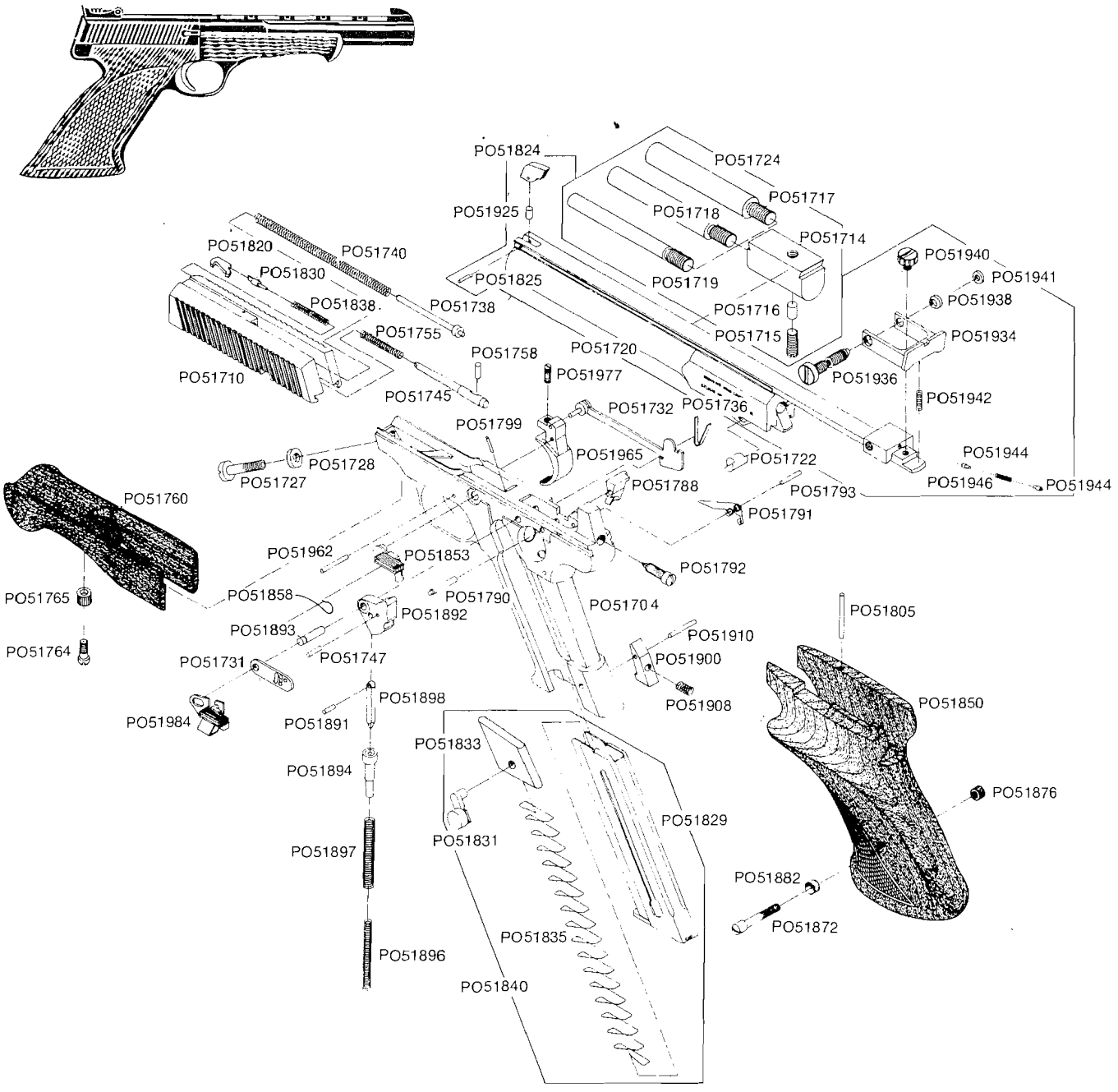
The pressure generated by the ignited round blows the Slide back to extract and eject the empty case, compress the Mainsprings, recock the Hammer, and compress the Recoil Spring.

As the Slide moves toward the rear, a ramp in the Slide depresses the Disconnector which disengages the notch from the protrusion on the Sear. The notch in the Disconnector cannot re-engage the protrusion on the Sear until the Slide is completely forward in battery position and the Trigger is released.

This constitutes the disconnecting feature of the pistol. The Slide is moved forward to chamber a live round from the Magazine and back to battery position by force exerted by the compressed Recoil Spring. When the last round is fired and the Magazine is empty, the Magazine Button pushes the Stop Open Latch Assembly upward, against pressure from the Stop Open Latch Spring, to lock the Slide to the rear.

The Nomad operates identically to the Challenger, except it does not contain a Stop Open Latch Assembly or a Trigger Pull Adjustment Screw. The Trigger Pull Adjustment affects Trigger pull in the Challenger by varying Sear Spring tension. The Nomad was produced with alloy as well as steel Receivers.

The operation of the Medalist is identical to the Challenger except that the Medalist can be dry fired without the Firing Pin being struck by the Hammer. This is accomplished by a hook on the rear end of the Safety catching a pin that protrudes from the side of the Hammer. To operate in this mode, the Safety is pushed forward in its elongated Retaining Pin hole. The Hammer can then be recocked by rotating the rear end of the Safety downward.



NOTE: These models are no longer manufactured and availability of parts is subject to inventory on hand. Schematic is provided for parts identification only and should not be used as a guide to assemble guns.

SECTION II

PARTS SCHEMATIC 22 AUTO
22 Caliber Automatic Pistols Nomad/Challenger/Medalist
22 Long Rifle

NOTE: The Nomad, Challenger and Medalist pistols are no longer serviced by the Browning Arnold Service Center and replacement parts are no longer available from that facility.

	PART NO.	PART NAME
	PO51710	Slide, N-C-M
	PO51711	Barrel with Front Sight and Rear Sight Assembly Complete 4½", N-C
	PO51713	Barrel with Front Sight and Rear Sight Assembly Complete 6 3/4", N-C
	PO51720	Barrel with Front Sight and Rear Sight Assembly Complete with Ventilated Rib, M
	PO51721	Barrel Medalist International 5.9", M
	PO51722	Barrel Guide Pin, N-C-M
	PO51714	Counterweight Support - 2.41 oz., M
	PO51715	Counterweight Support Screw, M
	PO51716	Counterweight Support Bushing, M
	PO51717	Counterweight 2.52 oz., M
	PO51718	Counterweight 1.79 oz., M
	PO51719	Counterweight .94 oz., M
	PO51724	Counterweight Support and Weights (Complete Set), M
	PO51726	Barrel Mounting Screw, N-C
	PO51727	Barrel Mounting Screw, M
	PO51728	Barrel Mounting Screw Washer, N-C-M
	PO51730	Click Plate, N
	PO51731	Click Plate, C-M
*	PO51732	Disconnector, N-C-M
	PO51736	Disconnector Spring, N-C-M
	PO51738	Recoil Spring Guide, N-C-M
	PO51740	Recoil Spring, N-C-M
*	PO51745	Firing Pin, N-C-M
	PO51747	Fire Pin - For Dry Firing, M
	PO51755	Firing Pin Spring, N-C-M
	PO51758	Firing Pin Retaining Pin, N-C-M
	PO51760	Forearm, M
	PO51764	Forearm Screw, M
	PO51765	Forearm Screw Escutcheon, M
*	PO51788	Sear, N-C-M
	PO51790	Sear Pin, N-C-M
	PO51791	Sear Spring, C-M
	PO51794	Sear Spring, N
	PO51793	Sear Spring Pin, C-M
	PO51799	Ejector, N-C-M
	PO51805	Ejector Deflection Pin, M
	PO51820	Extractor, N-C-M
	PO51838	Extractor Spring, N-C-M
	PO51830	Extractor Plunger, N-C-M
	PO51825	Sight Blade - Retaining Pin - Front, M
	PO51826	Sight Blade - Front New Type, N-C
	PO51827	Sight Retaining Pin, N-C
	PO51828	Sight Ramp - Front, N-C
	PO51829	Magazine Body, N-C-M
	PO51831	Magazine Button, N-C-M
	PO51833	Magazine Follower, N-C-M
	PO51835	Magazine Spring, N-C-M

	PART NO.	PART NAME
	PO51848	Grip - Wood - Medalist International Left Hand, M
	PO51849	Grip - Wood - Medalist International Right Hand, M
	PO51850	Grip - Wood - Right Hand Target, M
	PO51851	Grip - Wood - Left Hand Target, M
	PO51852	Stop Open Latch, C
	PO51854	Grip - Novadur - Plastic, N
	PO51858	Stop Open Latch Spring, C-M
	PO51860	Grip - Wood, C
	PO51868	Grip Screw, N
	PO51870	Grip Screw, C
	PO51872	Grip Screw, M
	PO51874	Grip Escutcheon - Threaded, N-C
	PO51876	Grip Escutcheon - Threaded, M
	PO51880	Grip Escutcheon - Unthreaded, N-C
	PO51882	Grip Escutcheon - Unthreaded, M
	PO51891	Hammer Link Pin, N-C-M
	PO51898	Hammer Link, N-C-M
*	PO51892	Hammer, N-C-M
	PO51893	Hammer Pin, C-M
	PO51895	Hammer Pin, N
	PO51894	Main Spring Plunger, N-C-M
	PO51896	Main Spring - Inner, N-C-M
	PO51897	Main Spring - Outer, N-C-M
	PO51900	Magazine Latch, N-C-M
	PO51908	Magazine Latch Spring, N-C-M
	PO51910	Magazine Latch Pin, N-C-M
	PO51921	Sight Assembly Rear - Complete, N-C
	PO51924	Sight Assembly Complete with Rib and Front Sight, M
	PO51925	Ventilated Rib Retaining Pin, M
	PO51927	Sight Base - Rear, N-C
	PO51931	Sight Base Mounting Screw - Rear, N-C
	PO51933	Sight Aperture - Rear, N-C
	PO51934	Sight Aperture - Rear, M
	PO51935	Sight Adjusting Screw - Rear - Windage, N-C
	PO51938	Sight Adjusting Bushing - Rear - Windage, M
	PO51941	Sight Adjusting Washer - Rear - Windage, M
	PO51939	Sight Adjusting Screw - Rear - Elevation, N-C
	PO51940	Sight Adjusting Screw - Rear - Elevation, M
	PO51942	Sight Tension Spring - Elevation, M
	PO51944	Sight Adjusting Screw Follower - Windage & Elevation, M
	PO51946	Sight Adjusting Screw Follower Spring - Windage or Elevation, M
*	PO51970	Trigger - Blued, N
*	PO51965	Trigger - Gold Plated - with Backlash Screw, C-M
	PO51962	Trigger Pin, N-C-M
*	PO51977	Trigger Backlash Adjustment Screw, C-M
*	PO51792	Trigger Pull Adjustment Screw, C-M
*	PO51980	Safety, N-C
*	PO51984	Safety, M

N - Nomad C - Challenger M - Medalist

** Indicates part must be fitted by Browning Service Department or qualified gunsmith.*

NOTE: Unless otherwise indicated, part is interchangeable between gauges/calibers.

N - Nomad C - Challenger M - Medalist

** Indicates part must be fitted by Browning Service Department or qualified gunsmith.*

NOTE: Unless otherwise indicated, part is interchangeable between gauges/calibers.

SECTION III

INSPECTION AND DISASSEMBLY INTO SUB-ASSEMBLIES

SAFETY WARNING **CAUTION:** Make certain the pistol is unloaded before any inspection or disassembly operations are performed.

1. PRE-DISASSEMBLY INSPECTION

A. SAFETY

After the Magazine has been removed and the pistol verified to be unloaded, cock the Hammer by pulling the Slide to the rear and place the Safety to the "ON SAFE" position. Take the pistol in hand and pull the Trigger firmly with the index finger of that hand. The Trigger should be pulled much harder than normal but not sufficiently to damage the Disconnector Assembly or the Trigger. When pulling the Trigger as outlined above, the Sear must not disengage the Hammer, and the Disconnector must not disengage the Sear protrusion.

Release the Trigger and place the Safety to the "OFF SAFE" position. Moving the Safety to the "OFF SAFE" position must not cause the Sear to disengage the Hammer.

B. REGAIN

With the Hammer cocked and the Safety in the "OFF SAFE" position. only partially disengage the Sear from the Hammer notch by slightly pulling the Trigger. Slowly release the Trigger and observe the Trigger moves to its original forward position and the Sear has regained full engagement back into the Hammer notch.

C. TRIGGER PULL

Check the Trigger Pull for a minimum let-off force of 3.5 lbs., and a maximum of 4.5 lbs.

SAFETY WARNING **CAUTION:** If the pistol fails any of the inspection criteria above, perform necessary repairs as outlined in this manual to correct those discrepancies except for a Trigger pull that may exceed 4.5 lbs. by as much as one pound.

2. DISASSEMBLY INTO SUB-ASSEMBLIES

A. BARREL ASSEMBLY (Figure # 1)

Pull the Slide back until it is locked in the rear position by the Stop Open Latch and remove the Magazine. With a blade screwdriver ground to fit, loosen the Barrel Mounting Screw until the Barrel Assembly can be removed from the Frame Assembly by pushing the Barrel to the rear and lifting upward.

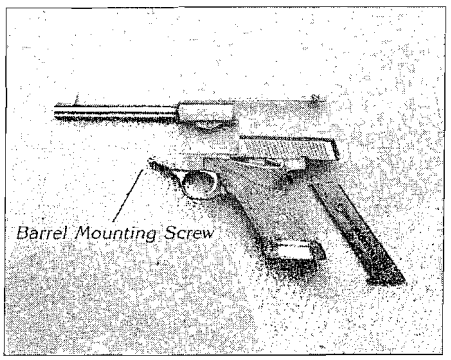


FIGURE # 1

NOTE: When removing the Nomad Barrel, the Slide must be held to the rear by hand.

SAFETY WARNING **CAUTION:** Do not let the Slide Assembly of the Nomad fly off the Receiver after removal of the Barrel.

After the Barrel Assembly has been removed from the Frame, no further disassembly of the Barrel Assembly should be required.

B. SLIDE ASSEMBLY (Figure # 2)

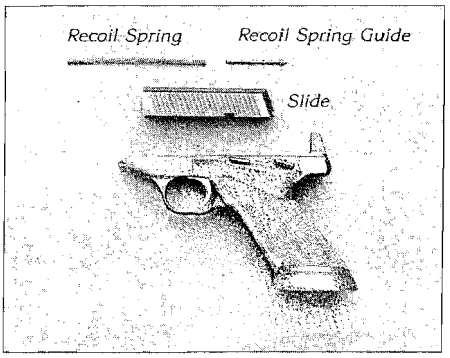


FIGURE # 2

On pistols other than the Nomad, grasp the Frame Assembly in one hand and the Slide Assembly in the other. Pull the Slide Assembly slightly to the rear to disengage the Stop Open Latch and slowly let the Slide Assembly move forward and off the Frame Assembly.

SAFETY WARNING **CAUTION:** Use care not to allow the Recoil Spring or Recoil Spring Guide to fly out of the Frame Assembly.

Remove the Recoil Spring and Recoil Spring Guide.

SECTION IV

DISASSEMBLY OF SUB-ASSEMBLIES INTO COMPONENT PARTS, INSPECTION AND REASSEMBLY OF SUB-ASSEMBLIES

1. DISASSEMBLY OF THE SLIDE ASSEMBLY (Figure # 3)

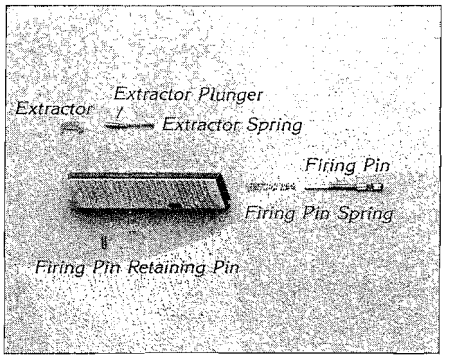


FIGURE # 3

A. EXTRACTOR

Lay the Slide Assembly, left side down, on a padded work surface which will not scratch the polished Slide.

Using a sharp pointed scribe or punch, not more than 1/16" diameter, push the Extractor Plunger to the rear. Work the point of the tool behind the Extractor and gently pry the back of the Extractor upward and out of the slot in the Slide.

SAFETY WARNING **CAUTION:** Use care not to let the Extractor Plunger or Extractor Spring fly out of the Slide.

Remove the Extractor Spring and plunger.

B. FIRING PIN

With a 1/16" punch remove the Firing Pin Retaining Pin from top to bottom.

SAFETY WARNING **CAUTION:** Do not let the Firing Pin and spring fly out of the Slide upon removal of the punch.

2. INSPECTION OF THE SLIDE

Using a No. 31 reamer or drill bit, remove any burrs or accumulated debris from the Extractor Spring hole.

3. REASSEMBLY OF THE SLIDE ASSEMBLY

A. FIRING PIN

Lay the Slide inverted on a padded work surface.

Insert the Firing Pin Spring and Firing Pin in the Firing Pin hole. Be certain the flat side of the Firing Pin

notch is positioned toward the Firing Pin Retaining Pin hole.

Push the Firing Pin forward until the notch is centered under the Firing Pin Retaining Pin hole.

NOTE: Some early pistols were manufactured using solid Firing Pin Retaining Pins. It is recommended a 1/8" diameter by approximately 11/32" long Roll Pin be used for reinstalling the Firing Pin.

When the Firing Pin notch is properly aligned, carefully install the Firing Pin Retaining Pin.

Center punch the Slide at two spots around the periphery of the Firing Pin Retaining Pin hole to keep the Roll Pin from working loose and dropping out of the Slide.

B. EXTRACTOR

To reassemble the Extractor, lay the Slide, left side down, on a padded surface. Insert the Extractor Spring and plunger into the Spring hole being certain the flat side of the Extractor Spring Plunger is positioned toward the inside of the Slide. Insert the Extractor by pushing the Extractor Spring Plunger to the rear until the Extractor snaps into position.

4. DISASSEMBLY OF THE FRAME ASSEMBLY

NOTE: Reference to the left or right side of the Frame relates to those sides as observed when shooting the pistol.

A. GRIP, STOP OPEN LATCH, DISCONNECTOR AND DISCONNECTOR SPRING (Figure # 4)

To prevent damage to the Grip, cock the Hammer and place the Safety in the "ON SAFE" position.

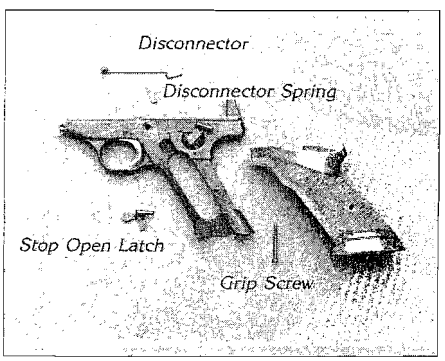


FIGURE # 4

Remove the Grip Screw and Grips by rotating the rear end of the Grips upward as shown in Figure # 13 and pulling directly to the rear.

Lift out the Stop Open Latch after the Grips are removed.

Place the Safety in the "OFF SAFE" position. Pull the Trigger and slowly let the Hammer move forward until it stops on the Frame.

Observe how the Disconnector and Disconnector Spring are positioned, and then lift them out of the Frame.

B. TRIGGER, CLICK PLATE, SEAR, SPRING AND PINS (Figure # 5)

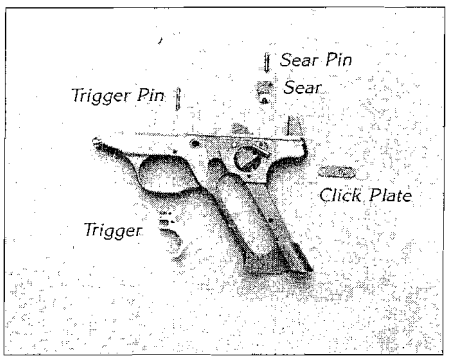


FIGURE # 5

Using a 3/32" punch, remove the Trigger Pin and Trigger.

Using a 1/16" punch and by moving from left to right, disengage the Sear Pin from the Safety Click Plate, and then lift out the Safety Click Plate.

Place the Frame inverted on a padded surface and remove the Sear Pin from the left side of the Frame to the right with a 3/32" punch.

SAFETY WARNING

CAUTION: If the Sear is not ejected from the Frame Assembly when the punch is withdrawn, keep the Frame on the padded surface and push the Sear out by inserting the punch through the large side hole.

C. SEAR SPRING AND SEAR SPRING PIN (Figure # 6)

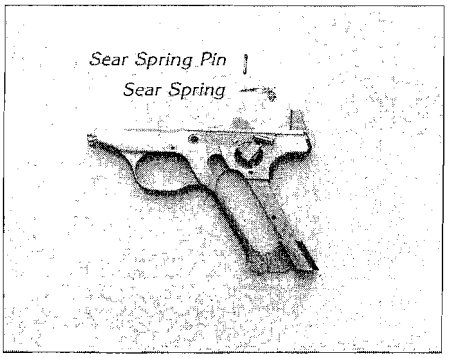


FIGURE # 6

Remove the Sear Spring Pin with a 3/32" punch.

Disconnect the Sear Spring from the point of the Trigger Pull Adjusting Screw by pushing downward on the rear end of the Spring.

NOTE: Make sure the Trigger Pull Adjusting Screw is turned into the Frame sufficiently so as not to bind the Sear Spring against the rear of the Frame.

NOTE: The Nomad does not contain a Trigger Pull Adjusting Screw.

D. HAMMER ASSEMBLY, SAFETY ASSEMBLY, MAINSPRINGS AND MAINSPRING PLUNGER (Figure # 7)

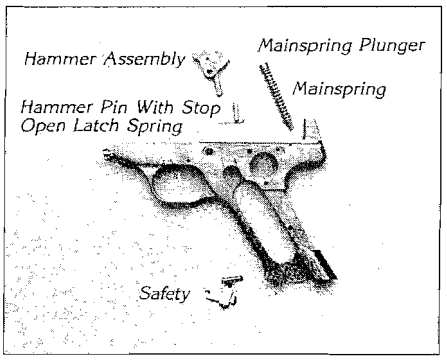


FIGURE # 7

Place the Frame inverted on a padded surface and remove the Hammer Pin from the right side of the Frame to the left using a 3/32" punch.

NOTE: The Stop Open Latch Spring will be contained on the Hammer Pin.

Keeping the Frame inverted on the padded surface, slowly withdraw the punch and observe the Hammer Assembly, Mainsprings and plunger fly out of the Frame and impact on the padded surface.

SAFETY WARNING

CAUTION: If the plunger hangs up on the Safety Assembly, and the Mainsprings are still compressed, work the plunger loose by inserting the punch through the large side hole while keeping the Frame inverted.

Remove the Safety Assembly, Hammer Assembly, Outer Mainspring, Inner Mainspring and Mainspring Plunger.

E. MAGAZINE LATCH, SPRING & PIN (Figure # 8)

Using a 3/32" punch, remove the

Magazine Latch Pin, Magazine Latch and Magazine Latch Spring.

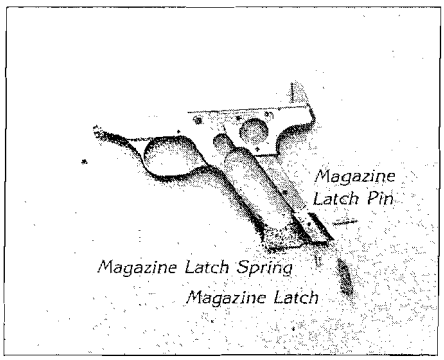


FIGURE #8

SAFETY WARNING **CAUTION:** Use care not to let the spring-loaded components fly out of the Frame.

5. INSPECTION OF THE FRAME ASSEMBLY COMPONENTS

A. SEAR

Inspect the Sear and replace if signs of alteration exist.

B. HAMMER

Inspect the Hammer Sear notch and replace if signs of excessive wear or alteration exist.

6. REASSEMBLY OF THE FRAME ASSEMBLY, MAGAZINE LATCH

(Figure #8)

Using a 3/32" punch, install the Magazine Latch, Magazine Latch Spring and Magazine Latch Pin.

A. SEAR SPRING AND SEAR SPRING PIN (Figure #6)

Install the Sear Spring and Sear Spring Pin with orientation of the spring as shown in Figure #6.

Turn the Trigger Pull Adjusting Screw fully into the Frame.

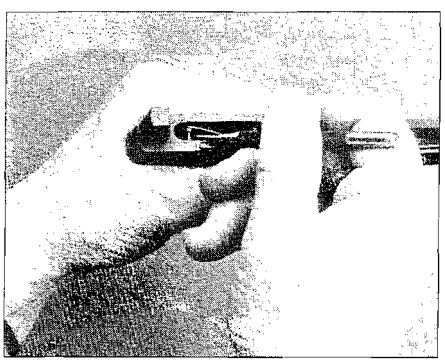


FIGURE #9

Hold the Frame in one hand and a blade screwdriver in the other. Pry upwards on the rear end of the Sear Spring until it is spread and forced onto the Trigger Pull Adjusting Screw as shown in Figure #9.

Back the Trigger Adjusting Screw out until it is approximately flush with the rear surface of the Frame.

B. MAINSPRINGS AND MAINSPRING PLUNGER

Position the Inner and Outer Mainsprings on the Mainspring Plunger and place in the Mainspring hole. Grip a long 3/32" punch in a vise and compress the Mainspring until the top of the plunger is below the 3/32" cross hole. Hold the plunger in this position and install a 3/32" punch across the top of the plunger and through both sides of the Frame as shown in Figure #10.

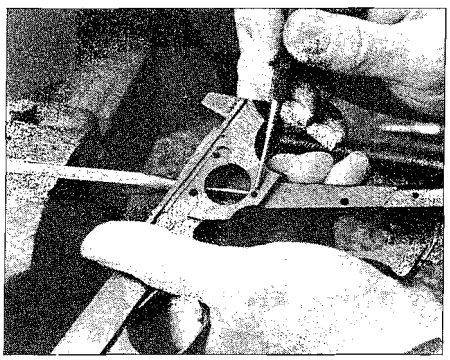


FIGURE #10

SAFETY WARNING **CAUTION:** Use extreme care not to let the plunger and compressed Mainspring fly out and cause serious injury.

C. SAFETY ASSEMBLY, HAMMER ASSEMBLY, HAMMER PIN AND STOP OPEN LATCH SPRING

Position the Safety Assembly for installation through the large hole in the left side of the Frame.

NOTE: If the Stop Open Latch Spring was removed from the Hammer Pin, refer to Figure #11 for proper orientation.

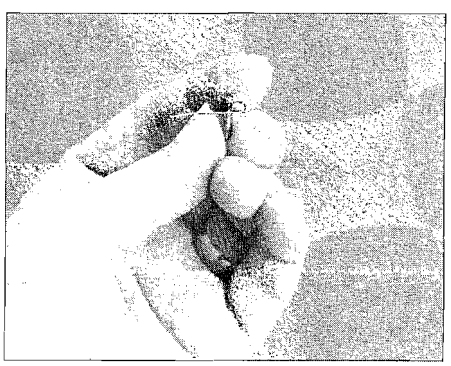


FIGURE #11

With the Hammer Link positioned midway in the Hammer, install the Hammer Assembly in the Frame to the right of the Safety Assembly. Align the holes in the Hammer Assembly and the Safety Assembly with the holes in the Frame using a 3/32" punch from right to left. Install the Hammer Pin, along with the Stop Open Latch Spring, from left to right.

Verify the Hammer Pin is through both sides of the Frame. Align the end of the Hammer Link with the recess in the Mainspring Plunger. Press downward on the Hammer with one thumb and slowly withdraw the 3/32" punch.

After the 3/32" punch is withdrawn, verify the Hammer Link is seated in the center of the Mainspring Plunger.

SAFETY WARNING **CAUTION:** Before withdrawing the 3/32" punch, verify the Hammer Link will seat in the Mainspring Plunger and the Hammer Pin extends through both sides of the Frame.

NOTE: After withdrawing the 3/32" punch, the Hammer may be retained in the depressed position by the ends of the Sear Spring engaging the Sear notch of the Hammer. If so, depress the Hammer slightly, depress the ends of the Sear Spring with a blade screwdriver and slowly let the Hammer forward until it bottoms on the Frame.

NOTE: If the assembly is incorrect, remove the Hammer as previously outlined and reassemble.

D. SEAR AND SEAR PIN

(Figure #5)

Position the Sear between the Hammer and the long ends of the Sear Spring and align the hole in the Sear with the holes in the Frame. Install the Sear Pin from right to left with the small end of the Sear Pin toward the left. The Sear Pin will be in proper position when its large end is flush with the surface of the Frame Disconnector Cavity.

SAFETY WARNING **CAUTION:** Verify the long ends of the Sear Spring are centrally located between the two projections at the bottom of the Sear.

E. SAFETY CLICK PLATE

(Figure #5)

Position the Safety Assembly to the

"OFF SAFE" position and depress the Hammer to the cocked position.

Position the Safety Click Plate between the Frame and the Safety Assembly. Align the small hole with the Sear Pin and the large hole with the Hammer Pin.

Hold the Safety Click Plate in this position and slowly move the Safety Assembly to the "ON SAFE" position. Be certain that holes in the Safety Click Plate hold alignment with the pins.

The Safety Click Plate should now be flush with the Frame. Additionally, the round indent on the Safety Assembly should be positioned in the detent on the Safety Click Plate and the holes in the Safety Click Plate should be aligned with the pins.

NOTE: After the Safety Click Plate is in position, verify the large end of the Sear Pin is still flush with the surface of the Frame Disconnector Cavity.

F. STOP OPEN LATCH ASSEMBLY (Figure #4)

Position the Stop Open Latch Assembly on the Frame with the tip of the Stop Open Latch Spring positioned in the small cutout on the Stop Open Latch.

G. TRIGGER AND TRIGGER PIN (Figure #5)

Install the Trigger and Trigger Pin from right to left. After installation be certain the Trigger pivots freely on the Trigger Pin without binding.

H. DISCONNECTOR AND DISCONNECTOR SPRING (Figure #4)

Position the Disconnector Assembly on the Frame with the Disconnector Pivot Pin inserted into the upper hole of the Trigger.

With the Hammer still in the cocked position, move the rear end of the Disconnector upward to engage the protrusion on the Sear.

Ascertain the Disconnector slips freely over the protrusion on the Sear and clearance of approximately .003" exists between the Sear and Disconnector.

NOTE: The Trigger Backlash Adjusting Screw, located in the top of the Trigger, may be used to adjust this clearance. If adjusted too closely, the Disconnector may not engage the Sear reliably and malfunctions will result.

Install the Disconnector Spring as shown in Figure # 12.

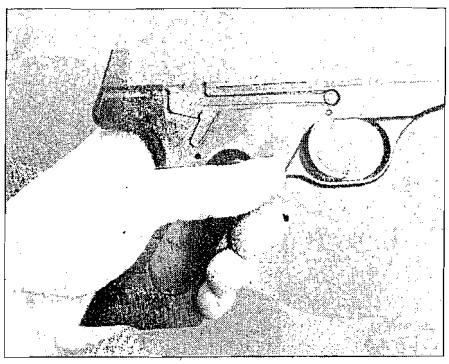


FIGURE # 12

I. GRIPS

Make sure the Safety is in the "ON SAFE" position and install the Grips by first sliding them onto the Frame as shown in Figure # 13.

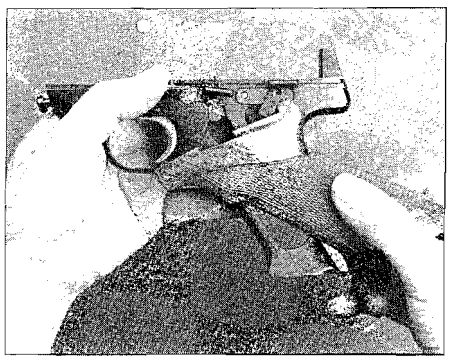


FIGURE # 13

Next, rotate the Grips into position and install the Grip Screw.

With the Hammer cocked, press the Disconnector downward, release and verify the Disconnector Spring will move the notch on the Disconnector into proper engagement with the protrusion on the Sear.

7. FINAL ASSEMBLY

A. SLIDE AND FRAME ASSEMBLIES

With the Magazine removed from the Frame, place the Hammer in the cocked position and the Safety in the "OFF SAFE" position.

Position the Slide into the grooves of the Frame. Place the Recoil Spring into the slotted hole in the Slide.

Position the Recoil Spring Plunger into the spring and the other end of the plunger on the projection at the rear of the Frame. Slowly withdraw the Slide and feed the Recoil Spring and Recoil Spring Guide into the slotted hole in the Slide. Pull the Slide fully to the rear and lock it there by moving the Stop Open Latch upward.

SAFETY WARNING

CAUTION: After the Slide has been locked into the rear position, use care not to bump the Stop Open Latch which would allow the Slide and Recoil Spring to fly off the Frame.

B. BARREL ASSEMBLY AND MAGAZINE

With the Slide held to the rear by the Stop Open Latch, position the Barrel Assembly on the Frame Assembly and install the Barrel Mounting Screw and washer if previously removed.

NOTE: Do not overtighten the Barrel Mounting Screw.

Depress the Stop Open Latch and allow the Slide to move forward against the Breech Face of the Barrel. With the Slide in the forward position, move the Safety Assembly to the "ON SAFE" position.

Install the Magazine.

8. FINAL INSPECTION

Refer to Section III, Para. 1 and perform the inspection sequences "PRE-DISASSEMBLY INSPECTION" in their entirety.

NOTE: Use the Trigger Pull Adjusting Screw to adjust the Trigger pull to 3.5 to 4.5 lbs.

SECTION V

TROUBLESHOOTING/POSSIBLE CAUSES/SOLUTIONS

SAFETY WARNING

CAUTION: Make certain the pistol is unloaded before performing any troubleshooting.

1. FAILS TO EXTRACT

A. Dirty or burred Chamber — Ream lightly using a .22 L.R. Chamber Finisher Reamer.

B. Weak Extractor Spring.

C. Dull or improperly fit Extractor.

D. Burrs on Extractor Spring Follower.

E. Loose Barrel Assembly.

F. Burred or dirty Extractor Spring hole.

2. FAILS TO EJECT

A. Missing Extractor.

3. WILL NOT FEED OR JAMS

A. Improperly adjusted Magazine Lips.

B. Loose Barrel Assembly.

C. Breech Face peened over by too long Firing Pin — Usually happens with a Broken Firing Pin (rare).

D. Weak Recoil Spring.

4. FAILS TO FIRE (Hammer Falls)

A. Loose Barrel Assembly.

5. WILL NOT FIRE (Hammer Will Not Fall)

A. Disconnector Spring improperly positioned.

B. Disconnector binding and not engaging the Sear.

C. Broken Disconnector Spring.

6. POOR GROUPING

A. Loose Barrel Mounting Screw.

B. Loose Sights.

C. Barrel needs recrowning.

SECTION VI

SPECIAL INSTRUCTIONS

1. RECOMMENDED POINTS OF LUBRICATION DURING REASSEMBLY

Lightly oil the following areas with Browning Gun Oil. Always use oil sparingly.

A. Extractor Spring hole.

B. Slide Rails.

C. Hammer and Sear Pins.

D. Rear end of Disconnector.

E. Exterior surface.

2. SPECIAL TOOLS

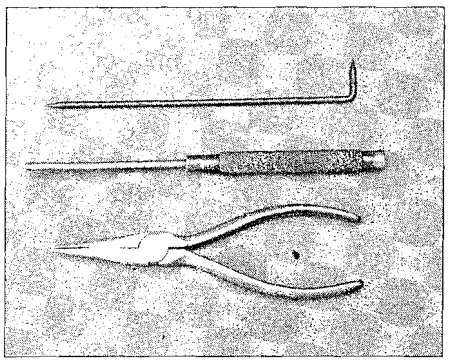


FIGURE # 14

A. Pointed scribe.

B. Long 1/8" punch.

C. Slender needlenose pliers.